

recording control unit shown in FIG. 1.

FIG. 3 is a diagram showing a configuration of an LD driver shown in FIG. 2.

FIG. 4 is a graph showing a relation between a driving  
5 current given to a laser diode and an output power.

FIG. 5 is a waveform diagram showing an example of a recording pulse waveform by a basic write strategy.

FIG. 6 is a waveform diagram showing recording pulse waveforms of 3T to 11T and 14T lengths by a basic write strategy.

10 FIGS. 7A to 7E are waveform diagrams showing examples of recording pulse waveforms by an improved write strategy of the present invention:

FIG. 8 is a waveform diagram showing recording pulse waveforms of 3T to 11T and 14T lengths by the improved write strategy  
15 of the present invention.

FIGS. 9A to 9D show characteristics by the improved write strategy of the present invention in comparison with characteristics of comparative examples.

FIG. 10 is a diagram for explaining AR.

20 FIGS. 11A to 11C show reproducing signal waveforms by the improved write strategy of the present invention in comparison with reproducing signal waveforms of comparative examples.

FIGS. 12A to 12D show examples that the improved write strategy of the present invention is applied to a normal write  
25 strategy.

FIGS. 13A to 13D show examples that the improved write strategy of the present invention is applied to a normal write strategy.

30 FIGS. 14A to 14<sup>E</sup> are waveform diagrams showing another examples of recording pulse waveforms by the improved write strategy of the present invention.

FIG. 15 shows a waveform example of a recording pulse waveform by a normal write strategy.

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